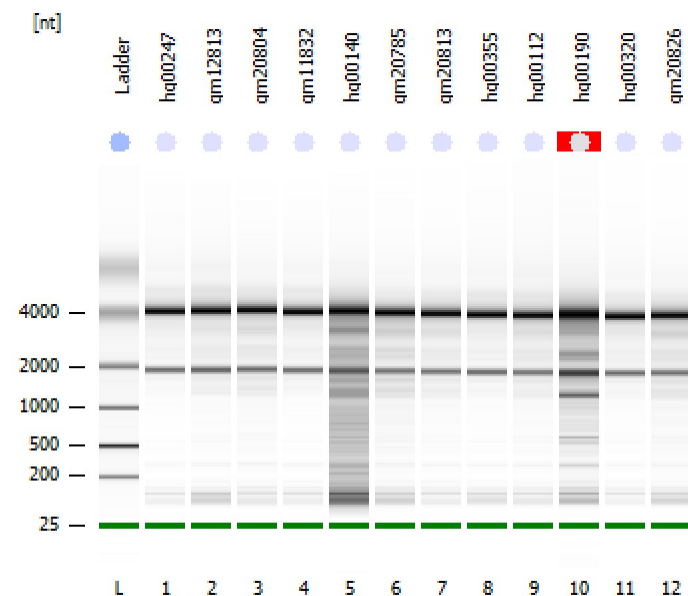


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_15-40-19.xad

Created: 10/18/2011 3:40:18 PM
Modified: 10/18/2011 4:04:14 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

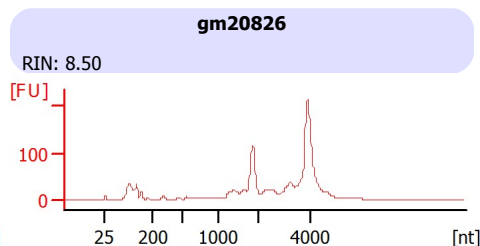
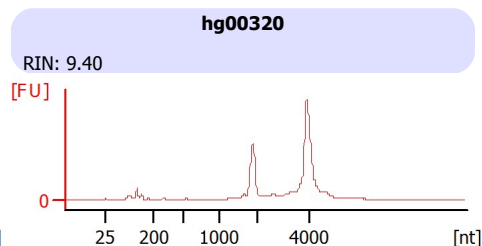
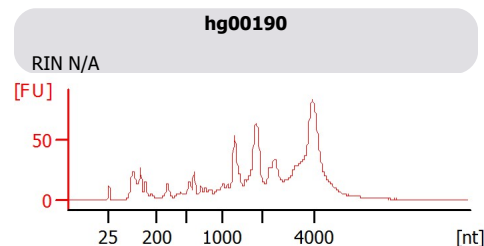
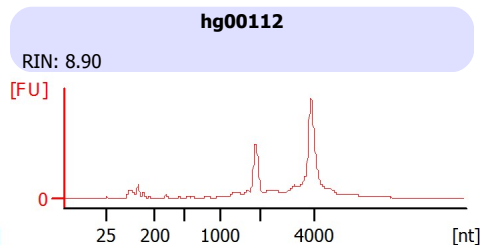
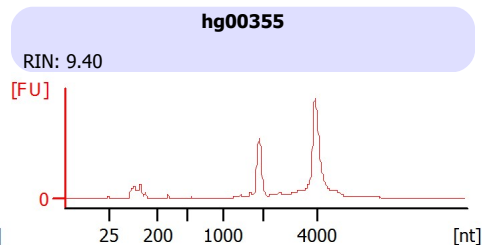
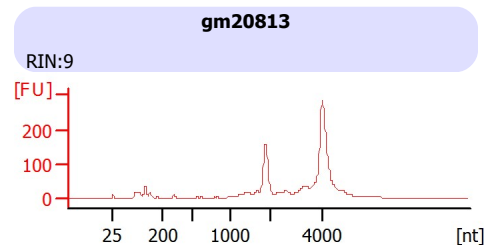
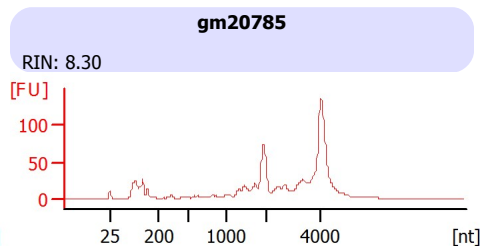
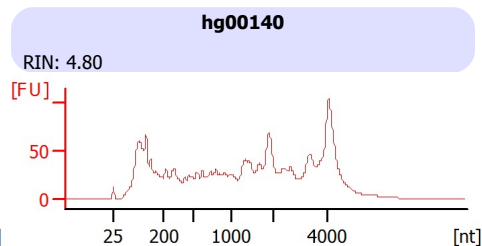
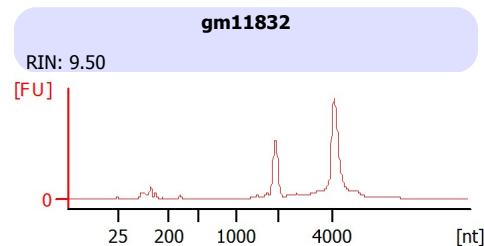
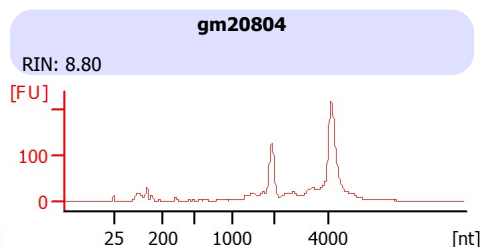
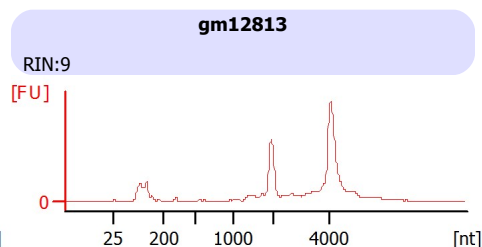
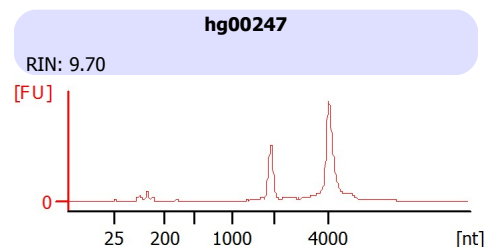
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_15-40-19.xad

Created: 10/18/2011 3:40:18 PM
Modified: 10/18/2011 4:04:14 PM

Electrophoresis File Run Summary (Chip Summary)

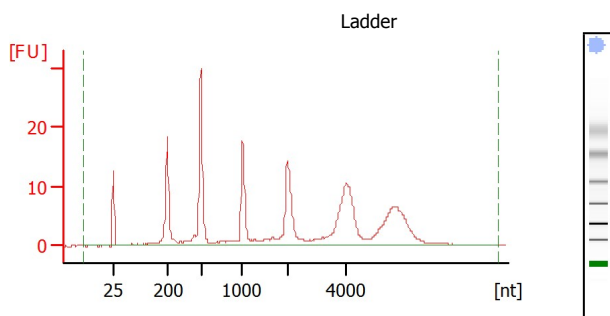
Sample Name	Sample Comment	Sta tus	Result Label	Result Color
hg00247		✓	RIN: 9.70	
gm12813		✓	RIN: 9	
gm20804		✓	RIN: 8.80	
gm11832		✓	RIN: 9.50	
hg00140		✓	RIN: 4.80	
gm20785		✓	RIN: 8.30	
gm20813		✓	RIN: 9	
hg00355		✓	RIN: 9.40	
hg00112		✓	RIN: 8.90	
hg00190		✓	RIN N/A	
hg00320		✓	RIN: 9.40	
gm20826		✓	RIN: 8.50	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_15-40-19.xad

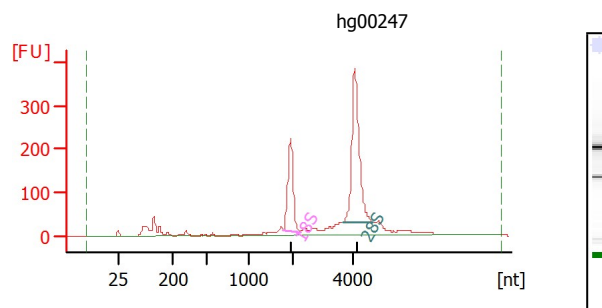
Created: 10/18/2011 3:40:18 PM
 Modified: 10/18/2011 4:04:14 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 235.3
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

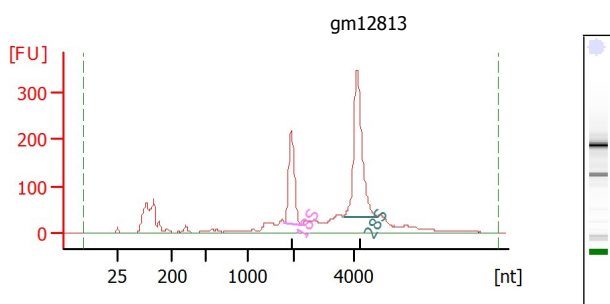


Overall Results for sample 1 : hg00247

RNA Area: 2,040.7
 RNA Concentration: 1,301 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 1 : hg00247

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,781	2,230	360.7	17.7
28S	3,651	4,691	702.8	34.4

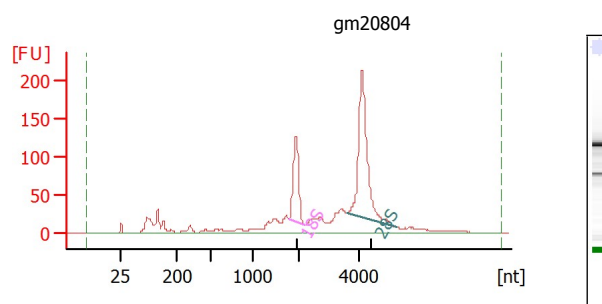


Overall Results for sample 2 : gm12813

RNA Area: 2,571.2
 RNA Concentration: 1,639 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

Fragment table for sample 2 : gm12813

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,779	2,249	353.0	13.7
28S	3,626	4,740	674.5	26.2



Overall Results for sample 3 : gm20804

RNA Area: 1,527.4
 RNA Concentration: 974 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

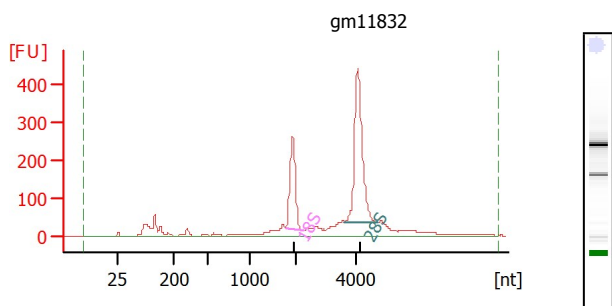
Fragment table for sample 3 : gm20804

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,789	2,194	188.0	12.3
28S	3,597	5,263	444.5	29.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_15-40-19.xad

Created: 10/18/2011 3:40:18 PM
 Modified: 10/18/2011 4:04:14 PM

Electropherogram Summary Continued ...

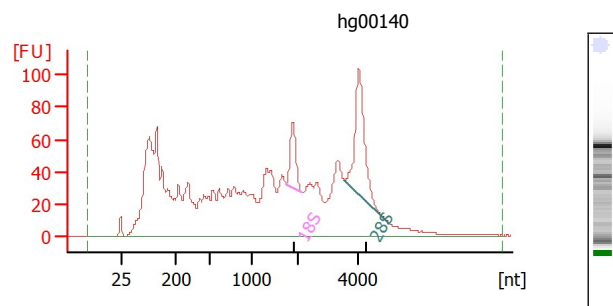


Overall Results for sample 4 : gm11832

RNA Area: 2,507.0
 RNA Concentration: 1,598 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 4 : gm11832

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,773	2,223	418.6	16.7
28S	3,609	4,675	818.5	32.6

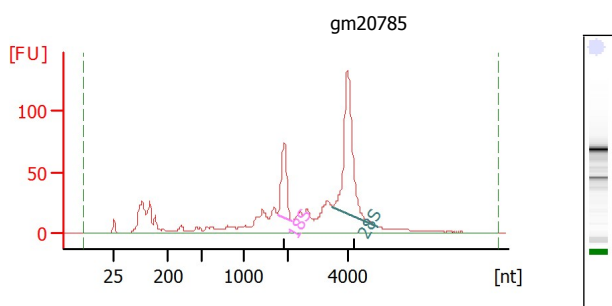


Overall Results for sample 5 : hg00140

RNA Area: 2,605.0
 RNA Concentration: 1,661 ng/μl
 rRNA Ratio [28s / 18s]: 2.7
 RNA Integrity Number (RIN): 4.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.80

Fragment table for sample 5 : hg00140

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,767	2,135	74.3	2.9
28S	3,589	5,042	197.3	7.6

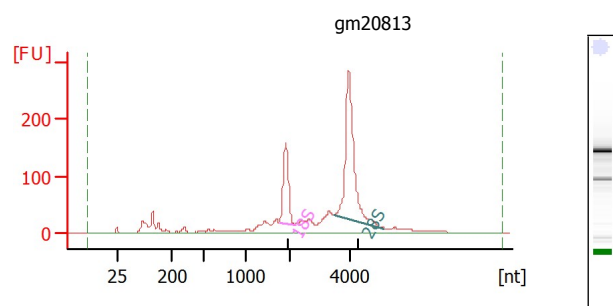


Overall Results for sample 6 : gm20785

RNA Area: 1,165.4
 RNA Concentration: 743 ng/μl
 rRNA Ratio [28s / 18s]: 2.6
 RNA Integrity Number (RIN): 8.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30

Fragment table for sample 6 : gm20785

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	2,100	103.3	8.9
28S	3,501	5,044	271.2	23.3



Overall Results for sample 7 : gm20813

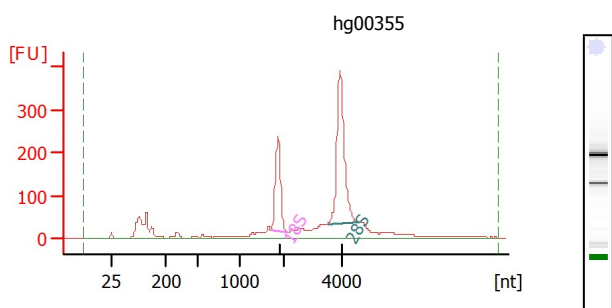
RNA Area: 1,871.0
 RNA Concentration: 1,193 ng/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

Fragment table for sample 7 : gm20813

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,746	2,169	232.9	12.4
28S	3,491	5,168	589.3	31.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_15-40-19.xad

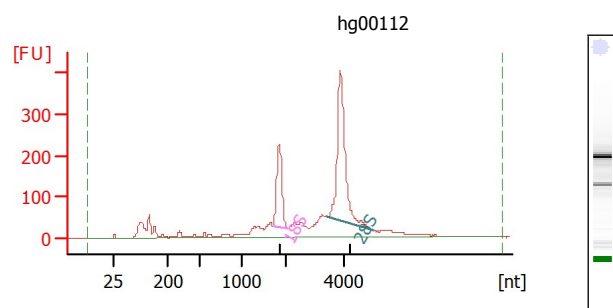
Created: 10/18/2011 3:40:18 PM
Modified: 10/18/2011 4:04:14 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : hg00355**

RNA Area: 2,378.5
RNA Concentration: 1,516 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 9.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.40

Fragment table for sample 8 : hg00355

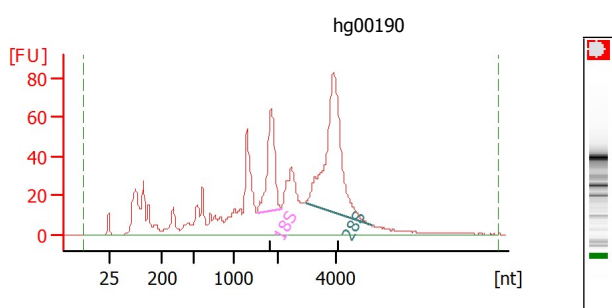
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,730	2,150	377.4	15.9
28S	3,498	4,559	734.9	30.9

**Overall Results for sample 9 : hg00112**

RNA Area: 2,775.5
RNA Concentration: 1,769 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 8.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.90

Fragment table for sample 9 : hg00112

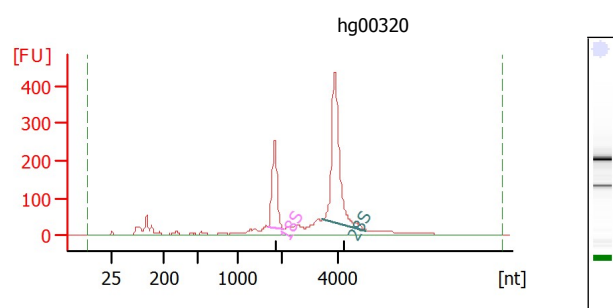
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,725	2,117	330.0	11.9
28S	3,417	5,033	803.8	29.0

**Overall Results for sample 10 : hg00190**

RNA Area: 1,377.0
RNA Concentration: 878 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 10 : hg00190

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,527	2,112	127.2	9.2
28S	2,942	5,273	308.3	22.4

**Overall Results for sample 11 : hg00320**

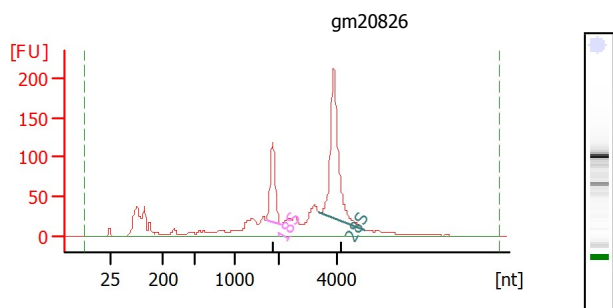
RNA Area: 2,533.4
RNA Concentration: 1,615 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 9.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.40

Fragment table for sample 11 : hg00320

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	2,097	391.4	15.4
28S	3,454	4,986	882.7	34.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-18_15-40-19.xad

Created: 10/18/2011 3:40:18 PM
Modified: 10/18/2011 4:04:14 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : gm20826**

RNA Area: 1,681.1
RNA Concentration: 1,072 ng/μl
rRNA Ratio [28s / 18s]: 2.6
RNA Integrity Number (RIN): 8.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.50

Fragment table for sample 12 : gm20826

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,719	2,098	165.9	9.9
28S	3,423	4,967	424.9	25.3